OPERATOR'S MANUAL

18 Volt Cordless Drill/ Driver Kit

Model # 5182

⚠ IMPORTANT:

Your new tool has been engineered and manufactured to WEN's® high standards for dependability, ease of operation, and operator safety. Properly cared for, it will give you years of rugged, trouble-free performance.

Pay close attention to the Rules for Safe Operation, Warnings, and Cautions. If you use your tool properly and only for what it is intended, you will enjoy years of safe, reliable service.

Product questions or need technical support? Please feel free to contact us!

WenProducts.com

800- 232-1195 M–F 8-4:30 CST

techsupport@wenproducts.com

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SPECIFICATIONS

Model:	5182
Motor:	18Volt DC
No Load Speed:	0-550 RPM
Number of Clutch Positions:	19+1
Max torque:	115 in. lbs
Chuck Capacity:	3/8"
Battery Type:	Ni-Cd
Battery Voltage:	18Volt DC
Battery Capacity:	1Ah
Charger Input:	120-Volts, 60 Hz AC only
Optimum Charging Temperature:	41°F (5°C) -104°F (40°C)
Driver Weight (without battery):	2LBS 3 OZ

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.

SAFETY INSTRUCTIONS

GENRAL SAFETY RULES

WARNING! Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and / or serious injury.

WORK AREA SAFETY

1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
2. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
5. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

PERSONAL SAFETY

1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and / or battery pack, picking up or carrying the tool. Carrying power tools

with your finger on the switch or energizing in power tools that have the switch on invites accidents.

4. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
5. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
6. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust-related hazards.

POWER TOOL USE AND CARE

1. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
2. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
5. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
6. Use the power tool, accessories and tool bits etc., in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

BATTERY TOOL USE AND CARE

1. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
2. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
3. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

4. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

SERVICE

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SPECIFIC SAFETY RULES FOR CORDLESS DRILL DRIVER

1. Use protective gloves when removing the bit from the tool, or first allow the clamp to cool down. The bit may be hot after prolonged use.
2. Use protective gloves when operating the tool. Protective gloves can help to keep you from being burnt and hurt.
3. Keep your hands away from the motor-housing vents. Hot gas comes from the vents during operation.
4. Do not operate the tool at full-load for more than 30 seconds, as this can cause the motor to become too hot, which may damage the motor.
5. Release the trigger immediately when the screws are tightened to avoid breaking the screw.
6. For best results, your battery tool should be charged in a location where the temperature is more that 41 °F (5 °C) but less that 104 °F (40 °C). Do not store outside or in vehicles.

SAFETY RULES FOR CHARGER

WARNING! Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

1. Before using the battery charger, read all instructions and cautionary markings in this manual and on the battery charger, the battery, and the product using the battery to prevent misuse of the products and possible injury or damage.

CAUTION: To reduce the risk of electric shock or damage to the charger and battery, charge only these rechargeable batteries specifically designated for your tool. Other types of batteries may burst, causing personal injury or damage.

2. Do not use the charger outdoors or expose it to wet or damp conditions. Water entering the charger will increase the risk of electric shock.

3. Use of an attachment not recommended or sold by the battery-charger manufacturer may result in a risk of fire, electric shock or injury to persons.
4. Do not abuse the cord or charger. Never use the cord to carry the charger. Do not pull the charger cord to disconnect the plug from receptacle. Damage to the cord or charger could occur and create an electric shock hazard. Replace damaged cords immediately.
5. Make sure that the cord is located so that it will not be stepped on, tripped over, come in contact with sharp edges or moving parts, or otherwise subjected to damage or stress. This will reduce the risk of accidental falls, which could cause injury and damage to the cord, which could then result in electric shock.
6. Keep the cord and charger from heat to prevent damage to the housing or internal parts.
7. Do not allow gasoline, oils, petroleum-based products, etc. to come in contact with plastic parts. These materials contain chemicals that can damage, weaken, or destroy plastic.
8. Do not operate the charger with a damaged cord or plug, which could cause shorting and electric shock. If damaged, have the charger repaired or replaced by an authorized service technician at Service Center.
9. Do not operate the charger if it has received a sharp blow, been dropped, or has otherwise been damaged in any way. Take it to an authorized service technician at Authorized Service Center for an electrical check to determine if the charger is in good working order.
10. Do not disassemble the charger. Take it to an authorized service technician at a Service Center when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
11. Unplug the charger from the electrical outlet before attempting any maintenance or cleaning to reduce the risk of electric shock.
12. Disconnect charger from the power supply when not in use. This will reduce the risk of electric shock or damage to the charger if metal items should fall into the opening. It will also help prevent damage to the charger during a power surge.
13. Risk of electric shock. Do not touch the uninsulated portion of output connector or uninsulated battery terminal.
14. Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If you lend this tool to someone else, also lend these instructions to them to prevent misuse of the product and possible injury.

KNOW YOUR DRILL/DRIVER

1-Torque Adjustment Ring
2-Keyless Chuck
3-Trigger Switch
4-LED Worklight
5-Battery Pack
6-Battery Release Button
7-Soft Grip Handle
8-Direction of Rotation Selector (Forward/Center Lock/Reverse)
9-Power Indicator

WARNING! The safe use of this product requires an understanding of the information on the tool and in this operator's manual, as well as knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

ADJUSTABLE TORQUE

The drill has a 19+1position clutches.

VARIABLE SPEED

The variable-speed trigger switch delivers higher speed with increased pressure and lower speed with decreased trigger pressure.

KEYLESS CHUCK

The 3/8" keyless chuck allows you to hand-tighten or release the drill bit in the chuck jaws.

FORWARD/REVERSE/CENTER LOCK

The direction of rotation selector located above the trigger switch changes the direction of bit rotation. Setting the trigger switch in the OFF (center lock) position helps to reduce the possibility of accidental starting when not in use.

LED WORK LIGHT

Pressing the trigger switch illuminates the LED work light, located on the front of the Drill Driver. This feature provides extra light for increased visibility.

ASSEMBLY

WARNING! If any part is broken or missing, do not attempt to plug in the power cord or operate the Drill/Driver until the broken or missing part is replaced. Failure to do so could result in possible serious injury.

WARNING! Do not attempt to modify this Drill/Driver or create accessories not recommended for use with this Drill/Driver. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious injury.

WARNING! To prevent accidental starting that could cause serious personal injury, always remove the battery pack from the Drill/Driver when assembling parts.

UNPACKING

This product has been shipped completely assembled.

1. Carefully remove the tool and any accessories from the box. Make sure that all items listed in the packing list are included.
2. Inspect the tool carefully to make sure no breakage or damage occurred during shipping.
3. Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.

PACKING LIST

Drill Driver, 6 Bits, 6 Drill Bits, 1 Bit Holder, 1 Extra Battery, Charger, Carrying Case and Operator’s Manual

OPERATION

CHARGING YOUR BATTERY PACK

WARNING: The charger and battery pack are specifically designed to work together so do not attempt to use any other devices. Never insert or allow metallic objects into your charger or battery pack connections because an electrical failure and hazard will occur.

BEFORE USING YOUR CORDLESS DRILL

Your battery pack is UNCHARGED and you must charge once before use. When you charge the new battery or one which has not been used for long periods of time, it may not reach full charge until after you have discharged it fully in use and recharged it several times.

TO CHARGE THE BATTERY

Plug the charger adapter into a suitable power supply. Insert the battery pack into the charger base. The green and red light both will come on. After full charging, the red light will turn off. The green light still is on.

NOTE: when the red light is off, take the battery off the charger.

A discharged battery at normal ambient temperature will take approximately 3-5 hours to reach full charge. When charging is complete, unplug the charger and remove the battery pack.

NOTE: The charger will not automatically switch off when the battery is full charged. Do not leave your battery on charge continuously. This may damage the battery cells.

Do not charge the battery for more than 10 hours.

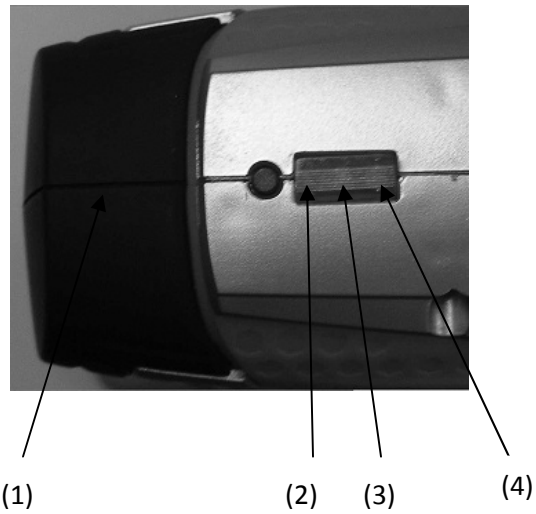
WARNING: After long usage the battery will become hot. Let the hot battery cool down for at least 1/2 hour before recharging.

TO REMOVE OR INSTALL BATTERY PACK

Locate buttons on side of battery pack and depress both sides to release battery pack from your drill. Remove battery pack from your drill. After recharge insert the battery pack into drill's battery port. A simple push and slight pressure will be sufficient.

POWER INDICATOR

This drill is equipped with a power indicator which is used to display the battery pack's remaining run time. Press the power indicator button to display the LED lights. When the battery capacity indicator is red, the battery has less than 30% of its capacity and should be charged.



(1) Power Indicator Button- Press it to display the LED lights
(2) Red Light
(3) Yellow Light
(4) Green Light

Full Power	Green, yellow and red lights are on.
Full Power But Will Require Charging Shortly (70%-80% Charge)	Yellow and red lights are on.
Needs charging the battery	Only red light is on.

TRIGGER SWITCH

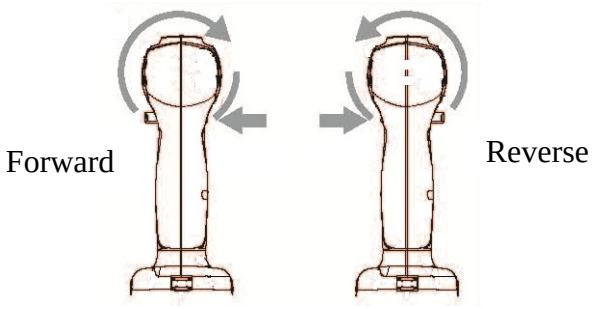
To turn the drill/driver ON, depress the trigger switch. To turn it OFF, release the trigger switch.

WARNING: Do not operate for long periods at low speed because excess heat will be produced internally.

VARIABLE SPEED

The variable-speed trigger switch delivers higher speed with increased trigger pressure and lower speed with decreased trigger pressure.

DIRECTION OF ROTATION SELECTOR (FORWARD/REVERSE/CENTER LOCK)



The direction of bit rotation is reversible and is controlled by a selector located above the trigger switch. With the Drill/Driver held in normal operating position:

1. Position the direction of rotation selector to the left of the tool for forward rotation.
2. Position the direction-of-rotation selector to the right of the tool for reverse rotation.
3. Setting the switch in the OFF (center lock) position helps reduce the possibility of accidental starting when not in use.

CAUTION: To prevent gear damage, always allow the Drill/Driver to come to a complete stop before changing the direction of rotation.

NOTE: The Drill/Driver will not run unless the direction of rotation selector is engaged fully to the left or right.

KEYLESS CHUCK

The drill has a keyless chuck to tighten or release drill bits in the chuck jaws. The arrows on the chuck indicate the direction in which to rotate the chuck body in order to tighten or release the chuck jaws on the drill bit.

WARNING! Do not hold the chuck body with one hand and use the power of the drill to tighten the chuck jaws on the drill bit. The chuck body could slip in your hand, or your hand could slip and come in contact with the rotating bit. This could cause an accident resulting in serious personal injury.

ADJUSTABLE TORQUE CLUTCH

The torque clutch can be adjusted to 19+1 different settings. The higher the torque setting, the more force the drill produces.

When using the drill for different driving applications, it is necessary to increase or decrease the torque in order to help prevent the possibility of damaging screw heads, threads, workpiece, etc.

Adjust the torque by rotating the torque-adjustment ring.

The proper setting depends on the job and the type of bit, fastener, and material you will be using. In general, use greater torque for larger screwed, but if the torque is too high, the screws may be damaged or broken.

For delicate operations, such as removing a partially stripped screw, use a low torque setting. For operations such as drilling into hardwood, use a higher torque setting.

CAUTION: do not change the torque setting when the tool is running.

DRILL MODE

Select drill mode for drilling and other heavy duty applications.

To select drill mode, rotate the torque adjustment ring until the icon aligns with the torque indicator and clicks into position.

LED WORKLIGHT

The LED worklight, located on the front of the Drill/Driver, will illuminate when the trigger switch is depressed. This provides additional light on the surface of the workpiece for operation in lower-light areas. The LED worklight will turn off when the trigger switch is released.

INSTALLING BITS

1. Lock the trigger switch by placing the direction of rotation selector in the OFF (center) position.
2. Open or close the chuck jaws to a point where the opening is slightly larger than the bit size you intend to use.
3. Insert a drill bit.
4. Tighten the chuck jaws securely on the bit.

REMOVING BITS

1. Lock the trigger switch by placing the direction of rotation selector in the OFF (center) position.
2. Open the chuck jaws.

NOTE: Rotate the chuck body in the direction of the arrow marked OPEN to close the chuck jaws. Do not use a wrench to tighten or loosen the chuck jaws.

3. Remove the drill bit.

WARNING! Make sure to insert the drill bit straight into the chuck jaws. Do not insert the drill bit into the chuck jaws at an angle then tighten. This could cause the drill bit to be ejected from the drill, resulting in possible serious personal injury or damage to the chuck.

DRILLING

1. Check the direction of rotation selector for the correct setting (forward or reverse).
2. Secure the material to be drilled in a vise or with clamps to keep it from turning as the drill bit rotates.
3. Hold the drill firmly and place the bit at the point to be drilled.
4. Depress the trigger switch to start the drill.
5. Move the drill bit into the workpiece, applying only enough pressure to keep the bit cutting. Do not force the drill or apply side pressure to elongate a hole. Let the tool do the work.
6. When drilling hard, smooth surfaces, use a center punch to mark the desired location of the hole.
7. This will prevent the drill bit from slipping off-center as the hole is started.
8. If the bit jams in the workpiece or if the drill stalls, stop the tool immediately. Remove the bit from the workpiece and determine the reason for jamming.

WARNING! This drill is equipped with an electric brake. When the brake is functioning properly, sparks may be visible through the vent slots in the housing. This is normal and is the action of the brake.

WOOD DRILLING

For maximum performance, use high speed steel or brad point bits for wood drilling.

1. Begin drilling at a very low speed to prevent the bit from slipping off the starting point.
2. Increase speed as the drill bit bites into the material.
3. When drilling “through” holes, place a block of wood behind the workpiece to prevent ragged or splintered edges on the back side of the hole.

METAL DRILLING

For maximum performance, use high speed steel bits for metal or steel drilling.

1. When drilling metals, use light oil on the drill bit to keep it from overheating. The oil will prolong the life of the bit and increase the drilling action.
2. Begin drilling at a very low speed to prevent the bit from slipping off the starting point.
3. Maintain a speed and pressure which allows cutting without overheating the bit. Applying too much pressure will:

   -Overheat the drill.
   -Wear the bearings.
   -Bend or burn bits.
   -Produce off-center or irregular-shaped holes.

MASONRY DRILLING

For maximum performance, use carbide-tipped masonry bits when drilling holes in brick, tile, concrete, etc.

Maintain a speed and pressure which allows cutting without overheating the bit or drill. Applying too much pressure will:

-Overheat the drill.

-Wear the bearings.

-Bend or burn bits.

-Produce off-center or irregular-shaped holes.

Apply light pressure and medium speed for best results in brick.

Apply additional pressure for hard materials such as concrete.

When drilling holes in tile, practice on a scrap piece to determine the best speed and pressure.

Begin drilling at a very low speed to prevent the bit from slipping off the starting point.

WARNING! Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

WARNING! To ensure safety and reliability, all repairs should be performed by a qualified service technician at Authorized Service Center.

MAINTENANCE

GENERAL MAINTENANCE

Your tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust.

Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents. Use clean clothes to remove dirt, dust, oil, grease, etc.

WARNING! To avoid serious personal injury, always remove the battery pack from the tool when cleaning or performing any maintenance.

WARNING! When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by a qualified service technician at a Authorized Service Center.

BATTERIES

The battery pack is equipped with nickel-cadmium rechargeable batteries. Length of service from each charging will depend on the type of work you are doing.

The batteries have been designed to provide maximum trouble-free life. However, like all batteries, they will eventually wear out. Do not disassemble battery pack and attempt to replace the batteries. Handling of these batteries, especially when wearing rings and jewelry, could result in a serious burn.

To obtain the longest possible battery life, we suggest the following:

Remove the battery pack from the charger once it is fully charged and ready for use.

For battery storage longer than 30 days:

Store the battery pack where the temperature is below 80°F.

Store battery packs in a “discharged” condition.